

SEQUENCE LISTING

<110> Long, David M.  
Smidansky, Eric D.  
Strobel, Gary A.

<120> In Vivo Addition of Telomeric Repeats to Exogenous DNA  
Generates Extrachromosomal DNAs in the Fungus Pestalotiopsis

<130> 57309-5001-WO

<140> US 10/018,551  
<141> 2001-12-20

<150> US 60/091,668  
<151> 1998-07-02

<150> PCT/US99/15129  
<151> 1999-07-02

<160> 12

<170> PatentIn Ver. 2.1

<210> 1  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:PCR primer

<400> 1  
ttacccgcag gacatatcca cg

22

<210> 2  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:PCR primer

<400> 2  
atagctgcgc cgtatggtttc ta

22

<210> 3  
<211> 54  
<212> DNA  
<213> Pestalotiopsis microspora

<220>  
<221> repeat\_unit  
<222> (49)..(54)  
<223> This unit is present one or more times.

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<400> 3
taaaggcaggg aagtatgcgc ttagggtag gtttttaggg ttagcttagg gtta      54

<210> 4
<211> 41
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (36)..(41)
<223> This unit is present one or more times.

<400> 4
acccgtatcg tgagcatcct agcttagggt tattagggtt a      41

<210> 5
<211> 39
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (34)..(39)
<223> This unit is present one or more times.

<400> 5
tgcatggagc cgggccacct tagggtagc ttagggta      39

<210> 6
<211> 26
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (21)..(26)
<223> This unit is present one or more times.

<400> 6
tgccgggga tcctaggta gggta      26

<210> 7
<211> 28
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (21)..(28)
<223> This unit is present one or more times.

<400> 7
tggagccgggt gagcgtgggt tagggta      28

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<210> 8
<211> 50
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (45)..(50)
<223> This unit is present one or more times.

<400> 8
tcgatggggg agtatggggg ttagcttagg gtttaggttag cttagggtta      50

<210> 9
<211> 40
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (35)..(40)
<223> This unit is present one or more times.

<400> 9
ggggagtatg ggggagtgacc ttagggtag cttagggtta      40

<210> 10
<211> 31
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (26)..(31)
<223> This unit is present one or more times.

<400> 10
gcgacggacg cactgacggt taggggggtt a      31

<210> 11
<211> 15
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (1)..(6)
<223> This unit is present one or more times (sequence
      is at telomeric repeat junction near 5' end of
      extrachromosomal DNA).

<400> 11
ccctaaccctt cgctta      15

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<210> 12  
<211> 27  
<212> DNA  
<213> Pestalotiopsis microspora

<220>  
<221> repeat\_unit  
<222> (22)..(27)  
<223> This unit is present one or more times (sequence  
is at telomeric repeat junction near 3' end of  
extrachromosomal DNA).

<400> 12  
ccgggccacc ttagggtag cttaggg

27